



MAGNESTONE PRODUCTS

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*Though time be written on a scroll,
And tide on shore may cease to roll,
Yet granite hills endure alone—
Save everlasting Magestone.*



*'Mid pleasures and palaces though we may roam,
Be it ever so humble, there's no place like home;
A charm from the skies seems to hallow us there,
Which, seek through the world, is ne'er met with elsewhere.*



MAGNESTONE PRODUCTS

Floors—indestructible, serviceable and attractive—for offices, stores, restaurants, candy shops, kitchens, bath rooms, lobbies, vestibules, club houses, banks, hotels, hospitals, schools, churches, theatres—public and private buildings of every character.

Stuccos that will last for generations, in a great variety of finishes and effects.

Plaster that is fireproof, and will never check, crack, break or fall.

Wainscotings with cove base and top rail in variegated tints and patterns.

Mantels in artistic designs and colors, resembling the costliest marble.

Newels and stairs fit for the most elegant home.

The Magnestone Company

Springfield, Illinois

Ninth and Madison Streets



PRESENTATION

To young or old who are planning a permanent, enduring home of their own—a home that shall last through the years and be in keeping with their lives;

To young or old who are dreaming in a vague, hazy way of a home some time in the indefinite future—bye and bye, perhaps, but not now;

To young or old who have never dreamed or planned a home of their own—unconscious of the joy there is in possessing a dwelling;

To all people young or old engaged in designing or constructing homes, apartments, or buildings of any character, that shall stand a perpetual tribute to their art, their skill, and their honest labor,

We present this book.

HOMES OF CHARACTER

We build our homes, like our characters, for the future, not alone for the present. We build for tomorrow as well as for today.

True character is imperishable, an immortal structure "not made with hands," established for eternity.

A house without the noble qualities of character does not reflect the joy and peace of a home, but founded in the attributes of character, has a glory of its own.

A couple starting out in life dream and plan a home that shall endure "till death do us part." It must be dignified and permanent, appointed to their peculiar needs. The cost must be within their means and its care and upkeep should not be excessive.

Here the two must share each other's love and joys and sorrows; here their children must be born. For their own comfort and contentment, and for the welfare of their children nothing is so important, nothing so essential as a beautiful, commodious, permanent building called "home."

No deeper longing of the human heart is ever breathed than for a pleasant, enduring home we can call our very own, a home that expresses the virtue of our characters—calm, quiet, graceful and lasting.

Home is a haven, an earthly heaven; a harbor in the storms of life; a shelter from the chilling blasts of earth; an anchorage for the disquieted soul.

*For home is refuge and retreat,
Asylum from all care;
And fears that often fill the day,
At night, are wanting there.*



Magnesite Properties, State of Washington

BUILDING FOR LIFE

Most buildings are erected with the idea of permanency in mind. Moreover, they should be attractive and pleasing to the artistic taste, yet their cost and upkeep must come within the range of moderate means.

Buildings of stone stand for ages, as the ancient palaces, castles and cathedrals of the old world testify. But the expense of such a structure is beyond the resources of the average home builder.

To those who desire a building material as lasting as the very rocks of the hills, with decorative possibilities limited only by the ability and skill of the artisan himself, we confidently offer *Magnestone*.

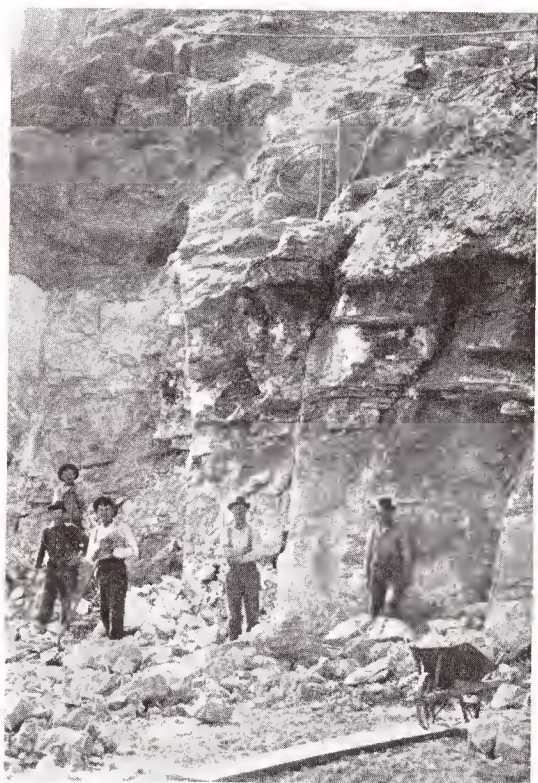
WHAT IS MAGNESTONE?

Magnestone is a conglomerate substance used in stuccos, floorings, plaster, and other building materials—as durable as granite, with the beauty and variety of marble in its shades of color and delicate outlines.

The binding ingredient which unites the aggregate into a solid, rock-like mass is a magnesite cement; hence the name *Magnestone*, a *magnesite stone*. To understand fully the real merits of *Magnestone* it is necessary to study for a moment the nature of magnesite, what it is, and where it is found.



Magnesite Quarries
near
Spokane, Washington



Previous to the late war this country imported annually several hundred thousand tons of magnesite from Austria and a small amount from Greece. It was not known that there were deposits of any importance in the Americas. But in 1916 large quantities of magnesite were discovered in the State of Washington, some sixty miles north of the city of Spokane.

These quarries of magnesite, owned and operated by The American Mineral Production Company, are the most extensive deposits found any where in the world. Eminent engineers and geologists estimate that there are from 65,000,000 to 115,000,000 tons of mineral in this one property of outcroppings alone, whole mountains of it, enough to supply the world for generations to come. Besides this there are other deposits in California.

Magnesite is essential to many industries, especially steel and copper. The smelters in which the metal is fused are lined with refractory brick made of magnesite and fire clay to prevent the intense heat from burning out the walls of the furnace. No other material has such heat-resisting qualities. In fact, it is almost impossible to affect magnesite with heat.

Magnesite has many uses. It enters into the manufacturing of rubber, paper, fireworks, flashlights for photography, signal lights for the army and navy, mineral waters, medicines and carbonated drinks.

But its most important quality lies in the fact that the calcined magnesite—magnesite reduced to a powder as lime is burned in a kiln—when mixed in certain proportions with magnesium chloride, makes the strongest, most durable cement known to chemistry. It is several times stronger than Portland cement, and has many other advantages.

Technically this is known as "Sorel Cement," named after the French scientist who discovered in 1866 the peculiar character of such a chemical union. Although this discovery occurred more than a half century ago, only in recent years has it been used to any considerable extent in the United States. Perhaps the fact that magnesite had to be imported, and was for this reason expensive, has retarded its developement. But now with



Residence of
Chas. T. Hunt
Galesburg, Illinois



Stucco over
old weather-board



Lincoln State School
and Colony
Lincoln, Illinois



Fulton County
Court House
Lewistown, Illinois

these vast stores recently opened in the west the true worth of magnesite compositions has become recognized.

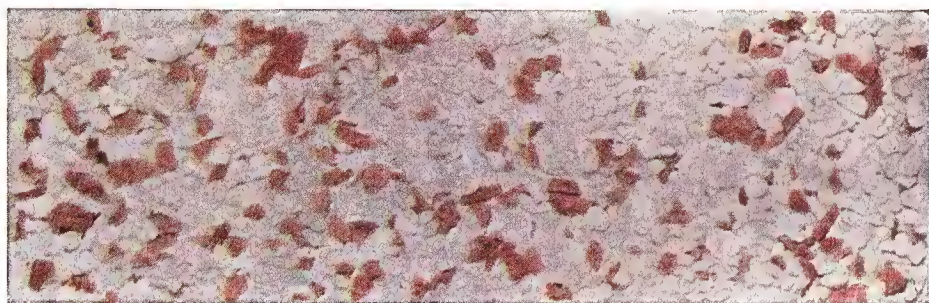
The record of its use in Europe, where buildings covered with magnesite stucco have stood for thirty years and more, unaffected by weather, with no disintegration from age, and the examples in this country during the past twenty years, prove without a doubt that magnesite cement, when properly compounded, is the strongest, most tenacious adhesive agent known to the building arts.

Magnestone is a compound of various kinds of crushed stone, such as marble and granite, and gravel and torpedo sand, coalesced by magnesite cement into a firm, compact body as solid as original rock.

Magnestone has many unusual and distinct characteristics. Its strength is remarkable. By actual laboratory tests it is four to five times stronger than ordinary concrete floorings or stuccos. Its tensile strength per square inch is over 1,000 pounds while an inch cube will not break down except under a crushing weight of 7,000 pounds. A slab of marble aggregate bonded by magnesite cement, when fractured by a sharp blow, discloses the fact that the marble chips themselves have broken but the cement has not given away. In other words, the cement is stronger than the marble itself.

Magnestone is not only strong and hard but pliant and resilient. It does not crumble or crack whether used in stuccos on the walls or in floors under constant service. It is flexible, not brittle and brash like common cement. It will bend before it breaks and conform itself to settling walls. We established this fact by an experiment in our own laboratory. A board one-half inch thick, six inches wide and six feet long, with a coat of *Magnestone* stucco applied, bent six inches without cracking or even checking the stucco.

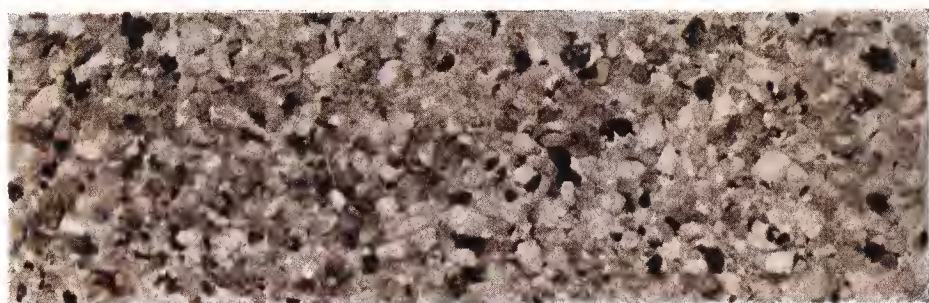
Magnestone is practically impervious to water. By specific tests, when submerged for hours, the amount of moisture absorbed is less than two per cent. The general texture of other compositions is porous and the volume of absorption is great.



PINK GRANITE AND WHITE MARBLE



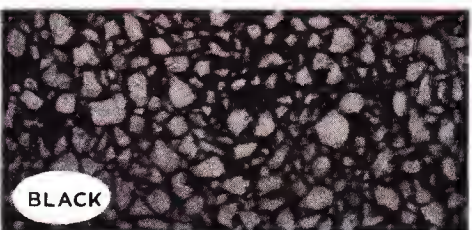
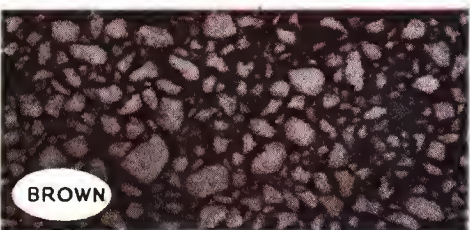
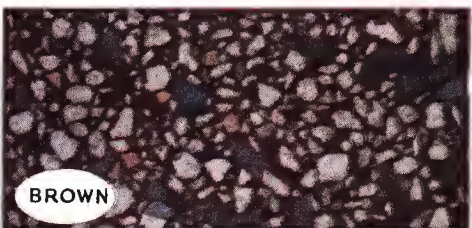
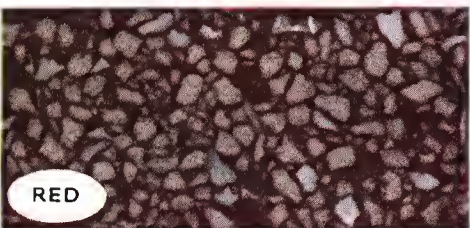
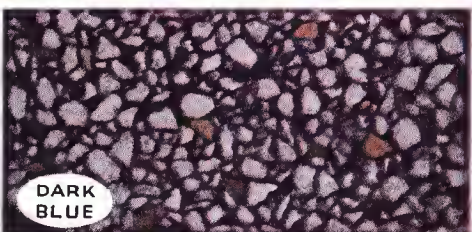
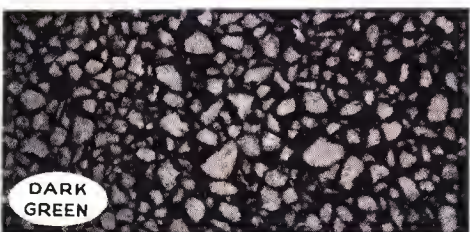
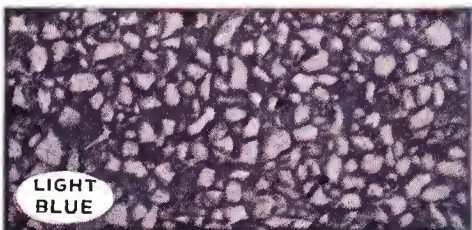
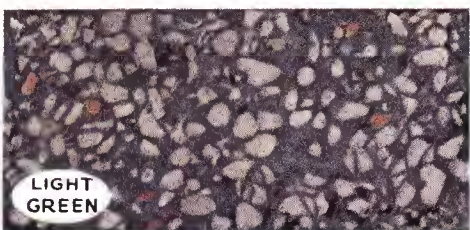
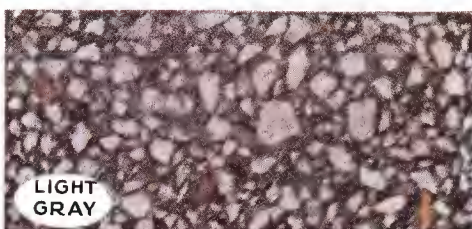
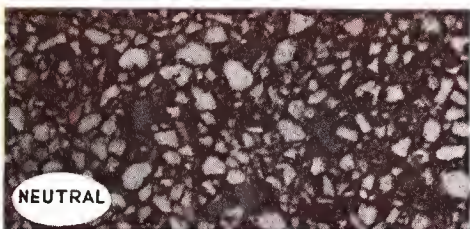
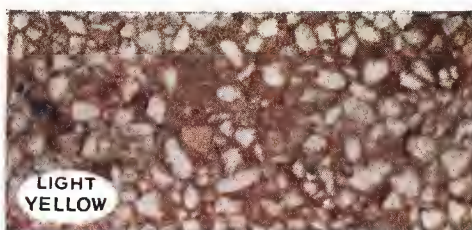
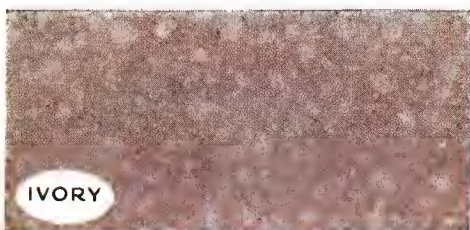
YELLOW MARBLE, WHITE MARBLE AND SPAR



SPAR AND MARBLE



SPAR AND RED GRANITE



The hair and wood fiber used in other stuccos absorb damp, causing rot and final disintegration. But the indestructible asbestos fiber which we use instead of wood fiber, the density of the matter and compactness of its particles produce a material free from the influence of water. Periodical wetting will not damage *Magnestone*, but we do not recommend it for surfaces that are continually wet or subjected to intermittent freezing and thawing when damp.

Magnestone is fireproof. The fact that magnesite is used in the blast furnaces to protect their walls when the steel or copper or other metal is converted into a molten liquid is convincing evidence of its heat resistance. It will stand without slightest injury 2,000 degrees of heat. The temperature generated in a burning building does not exceed 1,300 degrees. Hence, walls and floors of *Magnestone* would remain intact if every vestige of the wooden structure were consumed by fire.

Magnestone does not contract or expand with heat or cold. Should a room with *Magnestone* floor and walls become a raging furnace, and the flames be suddenly dashed out by cold water from the fire hose, the flooring and plaster would not be harmed in the least but would look as good as new when the dirt and debris were cleared away. Stuccoed walls are not injured by the burning heat of the summer's sun or by the bitterest cold of winter. No intensity of temperature will cause *Magnestone* to expand or shrink.

Magnestone will not freeze, even in a green state when first laid. Twenty degrees below zero would not affect it, because the liquid with which it is mixed does not freeze in any ordinary temperature. *Magnestone*, in stuccos and floors, can be spread in the coldest winter weather or on the hottest summer day.

Magnestone is sanitary. The stuccos do not crack or shrink away from the mouldings, leaving ugly fissures to catch the dust, and become a hiding and breeding place for insects, bugs and worms. The floors are laid in one piece and usually extend up the side wall into a cove base and wainscoting without a break. There are no seams or joints in which filth or vermin may lodge.



Residence of
Mathew Johnson
Galesburg, Illinois



Residence of
Mrs. Chas. Coleman
Bushnell, Illinois



Bartlett Apartment
Galesburg, Illinois



Bursk Apartment
Galesburg, Illinois

MAGNESTONE STUCCOS

Magnestone stucco is one of the most beautiful, and at the same time practical, outer coverings for buildings of all kinds that has ever come into use. The faults and deficiencies of other stuccos are eliminated in *Magnestone*. Its durability, hardness, strength, toughness, and, above all, its elasticity, combine to make it a perfect material for exterior finish.

The glaring defect in ordinary stuccos is that they are brittle and crack open from the slightest shrinkage of the walls or from the foundation settling out of plumb. They also contract and expand with heat and cold and pull away from mouldings. They become saturated with moisture which penetrates even into the sheathing; freezing follows; the "keys" are broken and the stucco forced off.

But all of these failings are overcome in *Magnestone* stucco. As stated, *Magnestone* is not affected by any degree of temperature, high or low. It does not shrivel up or shrink but adheres persistently to all casings. Water from the heaviest rains or prolonged periods of wet weather cannot penetrate its texture. The rooms within are invariably dry, never damp and sweaty, as in houses of brick or concrete construction.

Magnestone will not crack, even to a hair line, if the walls are of a stable structure and the foundations remain true. Its elasticity allows it to bend to irregularities that would cause other stuccos to crumble in pieces.

Magnestone in stuccos, floors and plaster is largely a nonconductor. The intense heat of the sun shining direct on stuccoed buildings does not pass through the walls to the living apartments. Neither does the heat within escape in the winter. There are no open pores in *Magnestone* to let in or let out heat or moisture. A house finished in *Magnestone* is the coolest possible in summer and the warmest in winter. The saving of fuel in this connection is worthy of consideration.

Magnestone stucco admits of a great variety of effects in its several finishes of dash, sponge, float and stipple. Any particular hue desired can be obtained. Marble, granite, feldspar, onyx or pebble dash, each with its many shades of delicate colors, may be used singly or together. Wonderful combinations are thus made pos-

sible. No material produces a richer or more refined appearance.

Magnestone stucco is used on buildings of every character, both new and old. Wooden lath over sheathing or hollow tile makes an ideal surface for *Magnestone*. Such buildings if properly constructed will last for generations with the smallest cost in upkeep. No paint is required except for the mouldings.

But this stucco is especially adapted to the refinishing and remodeling of old, dilapidated buildings. It can be applied to stone, brick, tile, concrete or wood. No house is too shabby if the frame and foundation are sound. Broken and battered weather-board covered diagonally with wood lath makes a firm foundation for stucco. And when the window and door frames are covered with neat mouldings of the thickness of the stucco, as far as the artistic effect and usefulness are concerned, the building is new; a house has been rendered nearly fireproof and insurance rates should be lowered; an old eyesore has become a thing of beauty; a home with years of sacred memories, trembling with age, is rejuvenated.

Magnestone is the "fountain of youth" to old, worn out, decrepit buildings.

MAGNESTONE FLOORS

Magnestone floors are serviceable and yet may be made so attractive as to please the most aesthetic taste. They are hard and permanent and smooth, but never slippery, even when wet. They are warm, not cold like tile, and, being resilient, they are as easy to the tread as pine.

Laid in one continuous section there are no cracks, joints or crevices to catch and hold dirt or filth of any sort. Being hard they do not dust up like common cements or become scarred under legitimate usage; being tough, not brittle, they never chip off and thus leave a rough and uneven surface.

Magnestone floors are impervious to water; not effected by cold or intense heat; not stained or tarnished by ordinary acids; do not absorb offensive odors. They are easily cleaned and require less attention than floors of any other material.



Residence of
L. Tragger
Springfield, Illinois

Remodeled in
Magnestone Stucco





Residence of
Mrs. J. H. Miles
Bushnell, Illinois



Stucco over Hollow Tile



Magnestone floors are laid in two finishes—the Polished (ground out) Finish and the Trowel Finish.

The Polished Finished floors contain an aggregate of marble and granite chips and other elements exposed and usually are marked in various designs with splendid color effects. These compositions carry the rich earth and chrome colors of every tint and tone, fast true and unfading. Any color or combination of colors may be employed.

Monograms, lettering of any description, rug designs and borders in artistic lines add genuine charm to the whole appearance. The decorative possibilities in these floors are almost unlimited.

The Polished floor is especially appropriate for offices, halls, lobbies, stores, dining rooms, bath rooms, kitchens—in fact, for any room where a permanent, serviceable, yet decorative, floor is desired.

Trowel Finished floors are composed for the most part of the same materials as the Polished floors. Fine gravel is substituted for the marble and granite aggregate and the surface is leveled off with a trowel instead of being ground out under a carborundum stone. They are usually laid in plain colors and border without much ornamentation. These floors are smooth, hard and durable under severe service, easy to work on and never slippery.

A *Magnestone* trucking floor is the most serviceable and practical for warehouses, electrical plants, factories and foundries, or any floor which must stand rough and heavy usage or extreme variations in heat.

Magnestone flooring is applied in a plastic state about one-half inch thick on wood, brick, stone or cement foundation. Old worn out floors of any substance may be covered with *Magnestone*, making them as good as new, and it will add only three or four pounds of additional weight to the square foot.

Magnestone floors are moderate in price compared to the lasting and effective service they render. The Polished Finish in the most pleasing colors with terrazzo effect or mosaic designs is not as expensive as tile and the Trowel Finish costs no more than the average hard wood floor.

MAGNESTONE PLASTER

Magnestone plaster has the same reliable and practical qualities as the stuccos and floorings. Like all other magnestone products it is absolutely fireproof, does not crack or break or fall. It may be colored to taste, papered or painted, and made an ideal surface for mural decorations. Should the plumbing or radiators leak and water run through the floors the plaster will not be loosened or stained, or the wall paper or decorations marred. With a *Magnestone* floor and plaster a room becomes incased in solid stone and heat and fire cannot be communicated to another room through the walls. *Magnestone* plaster is applied in sand, slick, trowel or float finish, briquette or marked off.

DECORATIVE ARTS

Magnestone also serves the decorative arts in numerous ways. Many useful and ornamental furnishings may be made of it. Statuary of the noblest kind can be molded and either new and original subjects formed or the work of the masters reproduced.

Friezes, mantels, newels, stairs, settees, window boxes, flower pots, urns—in short, anything that can be chiseled or turned from marble or granite may be modeled in *Magnestone*.

All of these reproductions can be brought out in their original colors. The iridescent light of marble, the luster of chalcedony, the rose of quartz may be faithfully portrayed.

A simple, yet serviceable article, is a radiator cover. This slab of *Magnestone*, with marble and granite chips and shell exposed and polished, is an adornment to the radiator and also a protection (being a nonconductor of heat) to the plants and flowers that rest upon it.

The most beautiful wainscotings can be made with base and top mouldings. These can be put on the walls in a plastic condition and polished, leaving marble and granite chips exposed, or may be cast in the factory, according to specifications, and installed.





Goldie Style Shop, Canton, Illinois

OUR GUARANTEE

Magnestone products are manufactured from fresh materials of the very best grade. No old stock is ever worked over and sent out to the trade. As orders are received they are mixed with the greatest care according to the most exact formulas and delivered immediately.

We guarantee that all of our products are of the purest quality, and if handled according to our specifications, will produce the results we claim. We do not guarantee a finished job unless we contract directly for the construction. We are in a position to send skilled workmen to any part of the middle west to apply our compositions.

It is impossible to quote by mail prices on construction or to estimate accurately the amount of material necessary for a certain building. There are so many conditions to be considered that each job must have individual attention.

Specific instructions are sent out with each order and any contractor familiar with ordinary stuccos and cements will be able to produce perfect results if he follows them precisely.

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